

IN THE SPECIFICATION

Replace the paragraph on page 6, lines 4-15 with the following:

The techniques for transforming an optical signal to a digital electrical signal will be described first, followed by a description of the transformation of an analog electrical signal to an optical signal in accordance with one or more embodiments. For example, Fig. 1 shows a block diagram illustrating a pulse position modulation (PPM) discriminator architecture 100 in accordance with an embodiment of the present invention. As an example, architecture 100 represents an exemplary implementation for optical pulse discriminator 14 (Fig. 10). Architecture 100 includes optical amplifiers 106, a fiber assembly 108, an optical switch 110, a demultiplexer 112, filters 114, photodetectors 116, and a discriminating circuit 118.

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Replace the paragraph on page 17, line 30 through page 18, line 3 with the following:

Further details regarding optical discriminators for converting an optical signal into a digital electrical signal are described in U.S. Patent Application Serial No. 10/820,915 ~~unknown, attorney docket no. M-15334 US~~ entitled "Optical Pulse Position Modulation Discriminator" filed April 7, 2004, which is incorporated herein by reference in its entirety.

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